

1 47634/GTL/F161

ABSTRACT OF THE DISCLOSURE

Seal devices of this invention are prepared by the process  
5 of depositing a polymer material onto a metallic substrate to  
form a composite construction, and shape forming the composite  
construction into the shape of a seal device. The so-formed seal  
device comprises a casing member that is formed from the  
10 metallic substrate, and a sealing element disposed along a  
surface of the casing member that is formed from the polymer  
material for placement against a sealing surface. Seal devices  
of this invention can be shaped formed into a variety of  
different types of seals, e.g., lips seals, L-shaped seals, and  
15 U-cup seals, which may or may not be energized. Seal devices  
prepared according to this invention using such preformed  
composite construction enable seal formation by a single step of  
shape forming, without having to both make and form individual  
seal members, and subsequently combine or join the separately  
20 formed seal members together.

MAC PAS398364 2-\* -12/21/01 11:49 AM

25

30

35